

IN THE CLAIMS:

Please cancel claims 1-5, without prejudice.

Please add claims 6-10, as follows:

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6. (Newly Added) An evaporator for concentrating a medium comprising:
at least two steam heated cross stream heat exchangers in direct serial connection enabling a medium to travel directly through all of the serially connected heat exchangers; each heat exchanger having a separate steam feed wherein a steam's composition and pressure for each heat exchanger can be different;
a common medium feed distributor for all heat exchangers wherein all heat exchangers are fed by feeding the first of the directly serially connected heat exchangers with the medium to be concentrated;
a separation area for separating exhaust steam out of the medium to be concentrated being serially connected to the last of the directly serially connected heat exchangers; and
a common dividing wall separating steam spaces of two of the heat exchangers being separated from the exhaust steam space.
7. (Newly Added) The evaporator of claim 1, wherein each heat exchanger has a separate carry away for the steam concentrate consisting of separate pipes.
8. (Newly Added) The evaporator of claim 1, wherein the heat exchangers are made of different materials.
9. (Newly Added) The evaporator of claim 1, wherein the steam for the first heat exchanger is exhaust steam and for the second heat exchanger is turbine steam.
10. (Newly Added) The evaporator of claim 9, wherein the exhaust steam is from a steam dryer for pulp and wherein the turbine steam is from a power plant.